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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Igor Troitski

Application No: 10/079,745 (This Application is a Div. Of 09/583,454 05/30/2000)

Filing date: February 19, 2002

For: Method and laser system controlling breakdown process development and space structure of laser radiation for production of high quality laser-induced damage images.

Primary Examiner: Unknown

Art Unit: Unknown

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

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Dear Sir:

I respectfully request to prosecute the claims 14 – 17 of Application No: 10/079,745 filed on February 19, 2002 (this Application is a div of 09/583,454 05/30/2000 PAT 6,417,485) along with the following new claims, which as the noted claims, are drawn to apparatus for producing images disclosed in the Application mentioned above:

18. (NEW) The laser system for producing laser-induced damages by controlling laser breakdown evolution inside a transparent material so as to decrease the initial thermal-induced sound wave and the internal pressure by generating laser radiation of specific time and space characteristics, comprising:

a laser for generating radiation creating an initial low-density free electron concentration and increasing this electron concentration until laser breakdown;

a system for changing energy level of laser radiation after arising laser breakdown so as

(a)